

What is claimed is:

1. An optical disk device comprising:

rotating means for rotating an optical disk;

motor control means for controlling a number of

5 revolutions of the rotating means;

focusing means having a lens to read a signal which is recorded in a recording layer of the optical disk;

servo control means that performs a focus pull-in operation based on a focus error signal and a tracking error 10 signal which are obtained from the focusing means thereby to control a position of the lens;

memory means having a data table in which initial values and correction values of a plurality of adjustment items including a rotational speed of the optical disk, a moving speed 15 of the lens and the amount of movement of the lens are described; and

logic operation means that issues a correction command of the plurality of adjustment items to the servo control means and determines under respective adjustment conditions whether 20 or not the focus pull-in operation is successfully performed and that in a case when it determines that the focus pull-in operation is not successfully performed, newly sets the respective correction values which are stored in the data table in the memory means to the servo control means and repeats the 25 focus pull-in operation until it determines that the focus pull-in operation is successfully performed.

2. The optical disk device as claimed in claim 1, wherein the memory means keeps the correction values which are set to the servo control means by the logic operation means, as the initial 30 values which are newly set to the servo control means, in a case

when the logic operation means determines that the focus pull-in operation is successfully performed, and hold the newly set initial values in the data table until the optical disk is removed.

3. The optical disk device as claimed in claim 2, wherein the
5 memory means has a data table in which a relationship between an ambient temperature obtained from temperature detection means and the amount of movement of the lens of the focusing means is described, and the logic operation means uses the amount of movement of the lens corresponding to the ambient temperature
10 obtained from the temperature detection means as an initial value which is set to the servo control means.